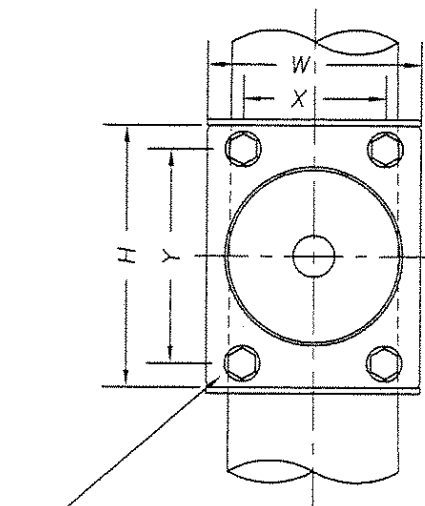
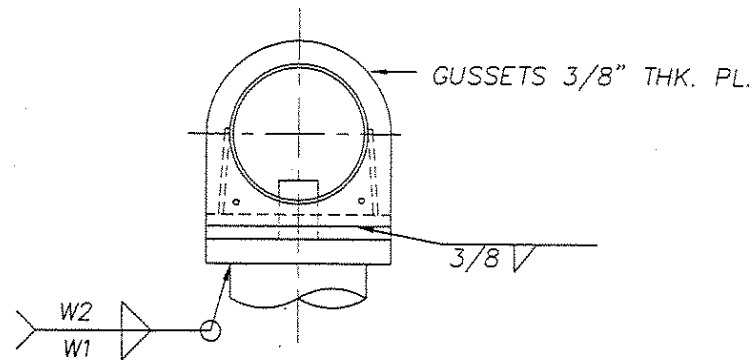


ARM TUBE GAGE	W1	W2
7 GA. (0.179)	1/4	3/16
3 GA. (0.250)	3/8	1/4
0 GA. (0.313)	7/16	5/16

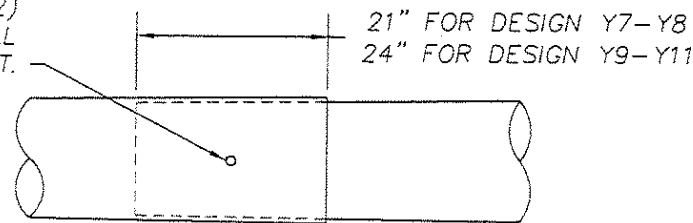
UMC DESIGN NUMBER	ARM CONNECTION					
	X	Y	H	W	"P"	CONN. BOLTS
71026-B87-Y1						
71026-B87-Y2						
71026-B87-Y3						
71026-B87-Y4	9"	14"	18"	14 1/2"	1 3/4"	1 1/4"x3 3/4"
71026-B87-Y5						
71026-B87-Y6						
71026-B87-Y7						
71026-B87-Y8						
71026-B87-Y9	14"	19"	23"	18"	2 1/4"	1 1/2"x4 1/2"
71026-B87-Y10						
71026-B87-Y11						



(4) (CHARTED) HEX HEAD BOLT
W/ (1) HARDENED FLAT WASHER
PER BOLT, DRILL AND TAP POLE PL.

ARM CONN. DETAIL

5/8" DIA STUD, W/(2)
LOCK NUTS. FIELD DRILL
INBOARD FOR SNUG FIT.

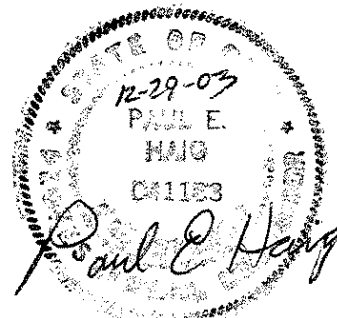


TELESCOPIC JOINT

TIGHTENING USING TURN OF NUT METHOD BY:
SPECIFICATION FOR STRUCTURAL JOINTS USING
A325 OR A490 BOLTS, RESEARCH COUNCIL ON
STRUCTURAL CONNECTIONS 6/00

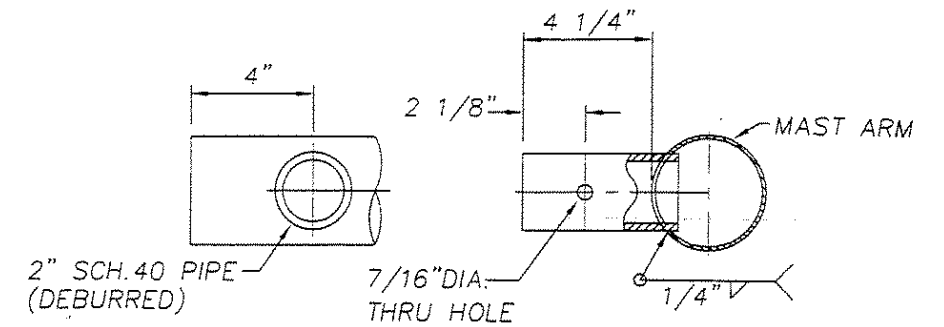
1) BOLTS SHALL BE PLACED IN ALL HOLES
WITH WASHERS. COMPACTING THE JOINT TO
THE SNUG TIGHT CONDITION SHALL PROGRESS
SYSTEMATICALLY. THE SNUG-TIGHTENED
CONDITION IS THE TIGHTNESS THAT IS
ATTAINED WITH A FEW IMPACTS OF AN IMPACT
WRENCH OR THE FULL EFFORT OF AN
IRONWORKER USING AN ORDINARY SPUD
WRENCH TO BRING THE CONNECTED PLIES
INTO FIRM CONTACT.

2) FOR BOLT LENGTHS NOT MORE THAN 4
BOLT DIAMETERS, WITH BOTH FACES NORMAL
TO BOLT, 1/3 TURN PAST SNUG POINT. FOR
ONE FACE SLOPED NO MORE THAN 1:20, 1/2
TURN PAST SNUG. FOR BOTH FACES SLOPED
NO MORE THAN 1:20 FROM BOLT, 2/3 TURN
PAST SNUG.

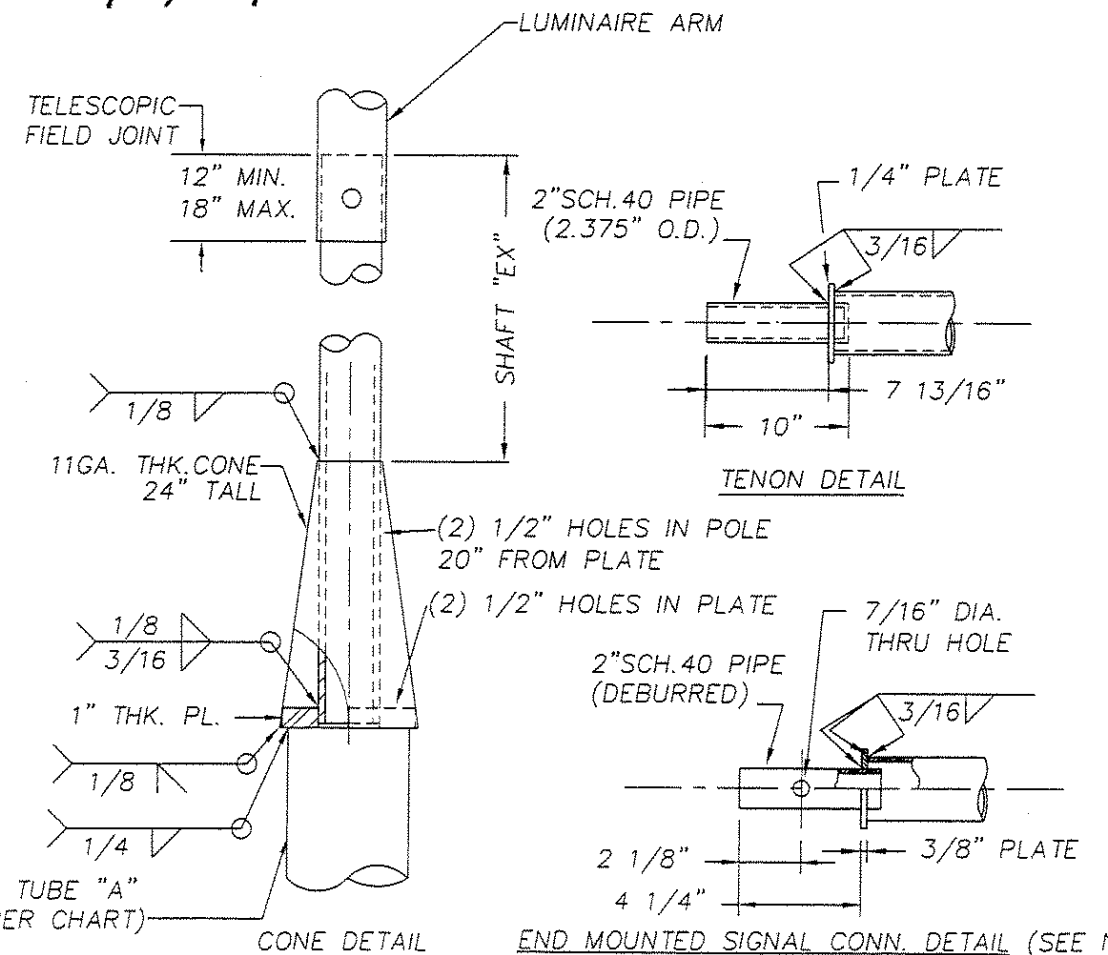


APPROVED


Manufacturer's Pole Plan
Approved For Listing As A
Pre-Approved Drawing
WSDOT Bridge & Structures Office
By GB Date 1/20/2004



SIDE MOUNTED SIGNAL CONNECTION DETAIL
(SEE NOTE)



END MOUNTED SIGNAL CONN. DETAIL (SEE NOTE)

				TYPE III STEEL COMBINATION TRAFFIC & STREET LIGHTING POLES, TYPE 1 LUM. ARM STATE OF WASHINGTON DOT	
				LOF _____ ENG. REF. # 71026-B35 REQ. # 0873-07-1 S.O. # _____ CAD# _____	
				 Union Metal CORPORATION	
				DRAWN _____ LCV DATE 3/4/03 CHECKED EBL	
REVISIONS				DRAWING NO. 71026-B87 SHT. 2 OF 3	

ORIGINAL